

(12) INTERNATIONAL APPLICATION PUBLISHED UNDER THE PATENT COOPERATION TREATY (PCT)

(19) World Intellectual Property Organization
International Bureau



(43) International Publication Date
4 October 2001 (04.10.2001)

PCT

(10) International Publication Number
WO 01/072836 A3

(51) International Patent Classification⁷: **C07K 14/705**,
C12N 15/12, 5/10, A01K 67/027, C07K 16/28, C12Q
1/68, A61K 38/17, G01N 33/53, A61K 39/395, C07K 1/22

(21) International Application Number: PCT/US01/10436

(22) International Filing Date: 29 March 2001 (29.03.2001)

(25) Filing Language: English

(26) Publication Language: English

(30) Priority Data:
60/193,051 29 March 2000 (29.03.2000) US
60/195,155 6 April 2000 (06.04.2000) US
60/199,084 20 April 2000 (20.04.2000) US
60/200,551 28 April 2000 (28.04.2000) US
60/202,278 5 May 2000 (05.05.2000) US

(71) Applicant (for all designated States except US): **INCYTE GENOMICS, INC.** [US/US]; 3160 Porter Drive, Palo Alto, CA 94304 (US).

(72) Inventors; and

(75) Inventors/Applicants (for US only): **POLICKY, Jennifer, L.** [US/US]; 1511 Jarvis Court, San Jose, CA 95118 (US). **TRIBOULEY, Catherine, M.** [FR/US]; 1121 Tennessee Street #5, San Francisco, CA 94107 (US). **TANG, Y., Tom** [US/US]; 4230 Ranwick Court, San Jose, CA 95118 (US). **BAUGHN, Mariah, R.** [US/US]; 14244 Santiago Road, San Leandro, CA 94577 (US). **GRAUL, Richard** [US/US]; 682-29th Avenue, San Francisco, CA 94121 (US). **KHAN, Farrah, A.** [IN/US]; 333 Escuela Avenue #221, Mountain View, CA 94040 (US). **NGUYEN, Danniell, B.** [US/US]; 1403 Ridgewood Drive, San Jose, CA 95118 (US). **PATTERSON, Chandra** [US/US]; 490 Sherwood Way #1, Menlo Park, CA 94025 (US).

LAL, Preeti [IN/US]; P.O. Box 5142, Santa Clara, CA 95056 (US). **AU-YOUNG, Janice** [US/US]; 233 Golden Eagle Lane, Brisbane, CA 94005 (US). **YANG, Junming** [CN/US]; 7125 Bark Lane, San Jose, CA 95129 (US). **HAFALIA, April** [US/US]; 2227 Calle de Primavera, Santa Clara, CA 95054 (US). **WALLA, Narinder, K.** [US/US]; 890 Davis Street #205, San Leandro, CA 94577 (US). **DAS, Dchopriya** [IN/US]; 1267 Parkington Avenue, Sunnyvale, CA 94087 (US).

(74) Agents: **HAMLET-COX, Diana et al.**; Incyte Genomics, Inc., 3160 Porter Drive, Palo Alto, CA 94304 (US).

(81) Designated States (national): AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CR, CU, CZ, DE, DK, DM, DZ, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, TZ, UA, UG, US, UZ, VN, YU, ZA, ZW.

(84) Designated States (regional): ARIPO patent (GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZW), Eurasian patent (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European patent (AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, TR), OAPI patent (BF, BJ, CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG).

Published:

— with international search report

(88) Date of publication of the international search report:
1 August 2002

For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.

WO 01/072836 A3

(54) Title: G-PROTEIN COUPLED RECEPTORS

(57) Abstract: The invention provides human G-protein coupled receptors (GCREC) and polynucleotides which identify and encode GCREC. The invention also provides expression vectors, host cells, antibodies, agonists, and antagonists. The invention also provides methods for diagnosing, treating, or preventing disorders associated with aberrant expression of GCREC.